

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 15176  
Application ID: 10063754  
Title of Invention: FUSED QUARTZ ARTICLE HAVING  
CONTROLLED DEVITRIFICATION  
First Named Inventor: Thomas McNulty  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-05-10  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: RD-29414  
Digital Certificate Holder: cn=Robert P. Santandrea, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: IXvdWhum2iTaoV5VTjDp0Q==  
Total Fees Authorized: \$1596.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 70868  
Deposit Account Name: Robert P. Santandrea



# TRANSMITTAL FORM

JC474 U.S. PTO  
10/063754  
05/10/02

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

RD-  
29414

Submission Type: Utility Patent  
Filing

## FUSED QUARTZ ARTICLE HAVING CONTROLLED DEVITRIFICATION

First Named Inventor: Thomas Francis McNultry

### SUBMITTED BY

Name:	Robert P. Santandrea
Registration Number:	45,072
Electronic Signature Mark: RPS	Date Signed: 20020510

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	DEC1.tif
declaration	DEC2.tif
declaration	DEC3.tif
patent-assignments	SANTANDREARD29414asgn.xml

SANTANDREARD29414apds.xml  
SANTANDREARD29414fee.xml  
29414SPEC.xml

DEC1.tif  
DEC2.tif  
DEC3.tif

[illegible]

**Comments:**

[illegible]

## DECLARATION FOR PATENT APPLICATION

Docket Num

RD-29,4

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**FUSED QUARTZ ARTICLE HAVING CONTROLLED DEVITRIFICATION**

the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

### Prior Foreign Application

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any **United States provisional application(s)** listed below.

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

I hereby claim the benefit under Title 35, United States Code §120 of any **United States Application(s)** listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)
_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, **CUSTOMER NO. 006147.**

Robert P. Santandrea, Reg. No. 45,072

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information belief are believed to be true and further that these statements were made with the knowledge that willful false statements and like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SOLE OR FIRST INVENTOR:

Full name: Thomas Francis McNulty  
First Name Middle Name Last Name  
Signature: *Thomas Francis McNulty* Date: 5/8/02  
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THIRD JOINT INVENTOR:

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FOURTH JOINT INVENTOR:

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FIFTH JOINT INVENTOR:

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Signature: Frederic Francis Ahlgren Date: May 7 2002

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SIXTH JOINT INVENTOR:

Full name: \_\_\_\_\_  
First Name Middle Name Last Name

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SEVENTH JOINT INVENTOR:

Full name: \_\_\_\_\_  
First Name Middle Name Last Name

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EIGHTH JOINT INVENTOR:

Full name: \_\_\_\_\_  
First Name Middle Name Last Name

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: \_\_\_\_\_ City and State  
Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1596**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 07-0868



Deposit Account Name: Global Research Center-General Electric Company

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Robert P. Santandrea

Electronic Signature Mark: RPS

Date Signed: 20020510

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 56	103	\$ 18	36	\$ 648



Independent Claims: 5	102	\$ 84	2	\$ 168
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Subtotal For Extra Claims Fees: \$ 816

#### ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40